

## 1. TRANSMITTED DATA

## 1-1 CHANNEL MESSAGES [H]:Hex, [D]:Decimal

Status	Second	Third	Description	
[Hex]	[H] [D]	[H] [D]		
8n	kk (kk)	40 (64)	Note Off	
9n	kk (kk)	00 (00)	Note Off	
9n	kk (kk)	vv (vv)	Note On (vv = 1~127)	
Bn	07 (07)	vv (vv)	Volume	[*3]
Bn	0B (11)	vv (vv)	Expression	[*3]
Bn	40 (64)	vv (vv)	Damper Pedal	[*1]
Bn	42 (66)	00/7F (0/127)	Sostenuto Off/On	
Bn	43 (67)	vv (vv)	Soft Pedal	[*1]
Bn	5B (91)	vv (vv)	C Send	[*3]
Bn	5D (93)	vv (vv)	D Send	[*3]
Bn	cc (cc)	vv (vv)	Control Change	
Cn	pp (pp)	-- --	Program Change	[*2]

n : MIDI Channel (0~15)

vv: Value

[\*1]: Pedal Depth :MIDI Out [D]  
 0(OFF) :vv = 0  
 1 : = 38  
 2 : = 74  
 3(ON) : = 127

[\*2]: Program :MIDI Out [D]  
 EC-3200  
 SINGLE(PIANO1~STRINGS) :pp = 00~07  
 LAYER(PIANO1+PIANO2~E.ORGAN+STRINGS) : = 08~35  
 SPLIT(PIANO1/PIANO2~STRINGS/BASS) : = 36~99

EC-2200  
 SINGLE(PIANO1~STRINGS) :pp = 00~06  
 LAYER(PIANO1+PIANO2~ORGAN+STRINGS) : = 07~27

[\*3]: Sequencer

## 1-3 SYSTEM REALTIME MESSAGES

Status[H]	Description	
F8	Timing Clock	[*1]
FA	Start	[*1]
FB	Continue	[*1]
FC	Stop	[*1]
FE	Active Sensing	

[\*1]:Transmits when Recorder is playing or recording (Internal Clock)

## 1-4 UNIVERSAL SYSTEM EXCLUSIVE MESSAGES ( DEVICE INQUIRY REPLY )

Byte[H]	Description
F0	Exclusive Status
7E	Non Realtime Message
0g	MIDI Global Channel ( Device ID )
06	Inquiry Message
02	Identity Reply
42	KORG ID ( Manufacturers ID )
65	C-series ID ( Family ID (LSB))
00	( Family ID (MSB))
ii	( Member ID (LSB))
00	( Member ID (MSB))
xx	( Minor Ver. (LSB))
xx	( Minor Ver. (MSB))
xx	( Major Ver. (LSB))
xx	( Major Ver. (MSB))
F7	End Of Exclusive

Transmits when INQUIRY MESSAGE REQUEST Received

ii[H] = 0F (C-3200)  
 = 17 (C-2200)

## 1-5 STRUCTURE OF KORG SYSTEM EXCLUSIVE MESSAGES

1st Byte = 1111 0000 : Exclusive Status  
 2nd Byte = 0100 0010 : KORG ID  
 3rd Byte = 0011 gggg : Format ID g:GloalCh.  
 4th Byte = 0110 0101 : C-series ID  
 5th Byte = 0fff ffff : Function Code  
 6th Byte = 0ddd dddd : Data  
 :  
 LastByte = 1111 0111 : End of Exclusive

## 2.RECOGNIZED RECEIVE DATA

## 2-1 CHANNEL MESSAGES

Status [Hex]	Second [H] [D]	Third [H] [D]	Description
8n	kk (kk)	vv (vv)	Note Off vv=0~127
9n	kk (kk)	00 (00)	Note Off
9n	kk (kk)	vv (vv)	Note On vv=1~127
Bn	07 (07)	vv (vv)	Volume
Bn	0B (11)	vv (vv)	Expression
Bn	40 (64)	vv (vv)	Damper Pedal
Bn	42 (66)	vv (vv)	Sostenuto Off/On
Bn	43 (67)	vv (vv)	Soft Pedal
Bn	5B (91)	vv (vv)	C Send
Bn	5D (93)	vv (vv)	D Send
Bn	78(120)	00 (0)	All Sound Off
Bn	79(121)	00 (0)	Reset All Controller
Bn	7A(122)	00/7F (0/127)	Local Control Off/On

Bn	7B(123)	00	(0)	All Note Off	
Cn	pp (pp)	--	--	Program Change	[*1]

n : MIDI Channel No.(0~15)

vv: Value

[\*1]: MIDI In [D] :Program

EC-3200

pp = 00~07 :SINGLE(PIANO1~STRINGS)  
 = 08~35 :LAYER(PIANO1+PIANO2~E.ORGAN+STRINGS)  
 = 36~99 :SPLIT(PIANO1/PIANO2~STRINGS/BASS)

EC-2200

pp = 00~06 :SINGLE(PIANO1~STRINGS)  
 = 07~27 :LAYER(PIANO1+PIANO2~ORGAN+STRINGS)

## 2-3 SYSTEM REALTIME MESSAGES

Status[H]	Description
FE	Active Sensing

## 2-4 UNIVERSAL SYSTEM EXCLUSIVE MESSAGE ( NON REALTIME )

Byte[H]	Description
F0	Exclusive Status
7E	Non Realtime Message
gg	MIDI Channel [*1]
0a	Sub ID 1 [*2]
0b	Sub ID 2 [*2]
F7	End Of Exclusive

[\*1]: gg = 00~0F : Received if Global Channel

= 7F : Received on any Channel

[\*2]: 0a,0b = 06,01 : Inquiry Message Request

## 3.MIDI EXCLUSIVE FORMAT (R:Receive, T:Transmit)

SEQ DATA DUMP [\*1]

R/T

Byte	Description	
F0,42,3g,65	EXCLUSIVE HEADER	
0100 1000 (48)	SEQ DATA DUMP	
0ddd dddd (dd)	Sequence Data	
:	:	
1111 0111 (F7)	EOX	

[\*1]: C-3200